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Flow and Transport in Membranes: Modeling and Experimental Verification

Guest Editor:

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Deadline for manuscript
submissions:

closed (20 February 2021)

Message from the Guest Editor

Topics include, but are not limited to, modelling separation processes using polymeric- and/or ceramic-type membranes, CFD studies on macroscopic and microscopic filtration units, effects of surface affinity modification on the filtration processes, transport phenomena, fractal description of membranes, and experimental investigation of the filtration of different kinds of emulsions. Authors are invited to submit their latest results; both original papers and reviews are welcome.

Keywords

- Modeling
- Ceramic-type membranes
- Polymeric-type membranes
- CFD analysis
- Experimental validation
- Fouling development



mdpi.com/si/48616



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Message from the Editor-in-Chief

You are cordially invited to contribute a research article or a comprehensive review for consideration and publication in *Membranes* (ISSN 2077-0375).

Membranes is an international, peer-reviewed open access journal of membrane technology published monthly online by MDPI. The journal covers the broad aspects of the science and technology of both biological and non-biological membranes, including membrane dynamics and the preparation and characterization of membranes and their applications in water, environment, energy, and food industries. Articles contributing to better understanding of transport processes in all types of membranes are also welcome. The scientific community and the general public have unlimited and free access to the content as soon as it is published. We would be pleased to welcome you as one of our authors.

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